

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	25	macromodel and (transmission same line)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/05 16:32
L2	11	(transmission same line same macromodel)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/05 16:35
L3	7492	(transmission same line same model)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/05 16:34
L4	1084	I3 and ((critical near2 length) distortion (error near2 threshold))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/05 16:33
L5	1	I3 and ((critical near2 length) and distortion and (error near2 threshold))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/05 16:33
L6	15	I3 and (length and distortion and (error near2 threshold))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/05 16:34
L7	6435	(703/2 703/6 703/13 703/14)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/05 16:34

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L8	13807	I7 (transmission same line same model)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/05 16:35
L9	120	I7 and (transmission same line same model)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/05 16:37
L10	0	I9 and (length and distortion and (error near2 threshold))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/05 16:35
L11	6	I9 and (length and distortion and error)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/05 16:35
L12	59836	(transmission and line macromodel). clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/05 16:35
L13	1591	I12 and (transmission same line same model)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/05 16:35
L14	4	I13 and (length and distortion and (error near2 threshold))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/05 16:35

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L15	46	l7 and (transmission and line and model).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/05 16:37
L16	1850	703/13	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/05 16:37
L17	38	l16 and (transmission same line same model)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/05 16:38
L18	11	l16 and (transmission and line and model).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/05 16:38


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An Active Pulse Transmission Line Simulating Nerve Axon

J Nagumo, S Arimoto, S Yoshizawa - Proceedings of the IRE, 1962 - [ieeexplore.ieee.org](#)
 ... purpose to realize such a pulse **transmission line** by **simulating** ... We shall therefore try to **simulate** (2) instead of ... AN ELECTRONIC SIMULATION OF THE BVP MODEL
 Let ...

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Optimal transient simulation of transmission lines - all 3 versions »

DB Kuznetsov, JE Schutt-Aine - Circuits and Systems I: Fundamental Theory and Applications, ..., 1996 - [ieeexplore.ieee.org](#)
 ... **TRANSMISSION LINES** 111 Fig. 1. Aspects of the **transmission line simulation** v, . Fig. 2. System **model** for **transmission lines**. Wvf and ...

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Time-Domain Simulation of n Coupled Transmission Lines - all 6 versions »

F Romeo, M Santomauro - Microwave Theory and Techniques, IEEE Transactions on, 1987 - [ieeexplore.ieee.org](#)

... Time-Domain **Simulation** of n Coupled ... transforma- tion networks and n single-**transmission-**

line models. ... A simplified **model** designed to **simulate** connections on ...

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Simulation of dispersive multiconductor transmission lines by

Padeapproximation via the Lanczos ... - all 3 versions »

M Celik, AC Cangellaris - Microwave Theory and Techniques, IEEE Transactions on, 1996 - [ieeexplore.ieee.org](#)

... a and in which terminal **transmission-line** voltages and ... Thus, the **model** is compatible with both the PVL ... Results from the numerical **simulation** of both digital ...

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... Synchronous Series Compensator: A Solid-State Approach to the Series

Compensation of Transmission ... - all 4 versions »

L Gyugyi, CD Schauder, KK Sen - Power Engineering Review, IEEE, 1997 - [ieeexplore.ieee.org](#)

... 1. Transmitted power P_q versus **transmission** angle S ... Figure 2. Oscillograms from TNA **simulation** showing the ... to be directly utilizable to **simulate** large groups ...

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Passive closed-form transmission-line model for general-purpose circuit simulators - all 4 versions »

A Dounavis, X Li, MS Nakhla, R Achar - Microwave Theory and Techniques, IEEE Transactions on, 1999 - [ieeexplore.ieee.org](#)

... structures. Index Terms— Circuit **simulation**, distributed **transmission lines**, high-speed interconnects, **model-order** reduction, ...

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[PDF] **Coupled Lossy Transmission Line Characterization and Simulation - all**


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[BOOK] **AWE**Spice: a general tool for the accurate and efficient simulation of interconnect problems - [all 3 versions »](#)

V Raghavan, JE Bracken, RA Rohrer - 1992 - IEEE Computer Society Press Los Alamitos, CA, USA

... required to create the AWE **macromodel** for the ... 7] which incorporates a single lossy **transmission line** model required 53.63 CPU-see to **simulate** the same ...

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[Interconnect simulation with asymptotic waveform evaluation \(AWE\) - **all 3 versions »**](#)

JE Bracken, V Raghavan, RA Rohrer - Circuits and Systems I: Fundamental Theory and Applications, ..., 1992 - [ieeexplore.ieee.org](#)

... to form another type of **macromodel** for systems ... s, systems of coupled lossy **transmission**

lines prevail. ... to model Page 3 BRACKEN INTERCONNECT SIMULATION WITH AWE ...

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[Passive closed-form **transmission-line** model for general-purpose circuit simulators - **all 4 versions »**](#)

A Dounavis, X Li, MS Nakhla, R Achar - Microwave Theory and Techniques, IEEE Transactions on, 1999 - [ieeexplore.ieee.org](#)

... the validity and efficiency of the proposed **macromodel**. ... are compared with SPICE **simulation** and/or "exact" analysis of the **transmission-line** equation. ...

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[Time-domain macromodels for VLSI interconnect analysis - **all 2 versions »**](#)

SY Kim, N Gopal, LT Pillage - Computer-Aided Design of Integrated Circuits and Systems, ..., 1994 - [ieeexplore.ieee.org](#)

... distributed equations of the **transmission line** are incorporated ... This **macromodel** is directly stenciled into the ... using conventional circuit **simulation** techniques ...

Cited by 67 - [Related Articles](#) - [Web Search](#)

[Simulation of multiconductor **transmission** lines using Krylovsubspace order-reduction techniques - **all 2 versions »**](#)

M Celik, AC Cangellaris - Computer-Aided Design of Integrated Circuits and Systems, ..., 1997 - [ieeexplore.ieee.org](#)

... Then the **macromodel** and the remaining nonlinear ... for the efficient **simulation** of large linear ... circuits with lossy multiconductor **transmission lines** using the ...

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[Transient analysis of lossy **transmission** lines: an efficient approach based on the method of ... - **all 6 versions »**](#)

S Grivet-Talocia, HM Huang, AE Ruehli, F Canavero, ... - Advanced Packaging, IEEE Transactions on [see also ..., 2004 - [ieeexplore.ieee.org](#)

... to be employed in a transient **simulation**. ... we investigate several implementations of **line** macromodels derived ... was first used for **transmission lines** by Branin [1 ...

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[E Chiprout](#)

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Analog and Mixed-Signal Simulation of EMC at System Level

FG Canavero, S Grivet-Talocia, IA Maio, IS ... - Proc. of 16 thIEEE International Zurich Symposium on ..., 2005 - emc.polito.it

... busses, that often can be represented as **transmission lines**. ... As a **simulation** strategy, we employ a generalized ... A **line macromodel** is obtained via the following ...

[Cited by 3](#) - [Related Articles](#) - [Web Search](#)

System and method for automatic selection of **transmission line** macromodels

IM Elfadel - 2005 - freepatentsonline.com

... processing apparatus to perform operations to automatically select a **macromodel** from a set of macromodels for use in **simulating a transmission line**. ...

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A CAD framework for simulation and optimization of high-speed VLSI interconnections - all 3 versions »

R Griffith, E Chiprout, Q Zhang, M Nakhla - Circuits and Systems I: Fundamental Theory and Applications, ..., 1992 - ieeexplore.ieee.org

... lar system with different **simulation**, and optimization ... matching approach expanding a **transmission line** transfer functions ... is used to form a **macro- model** of the ...

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Analysis of interconnect networks using complex frequency hopping (CFH) - all 2 versions »

E Chiprout, MS Nakhla - Computer-Aided Design of Integrated Circuits and Systems, ..., 1995 - ieeexplore.ieee.org

... effects of ringing, signal delay, **distortion**, and reflections ... net result is that the **simulation** is accurate ... the eigenmodes of the **transmission lines** which may ...

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Passive closed-form time-domain macromodels for on-chip distributedRC interconnects - all 2 versions »

A Dounavis, R Achar, M Nakhla - Custom Integrated Circuits Conference, 2002. Proceedings of ..., 2002 - ieeexplore.ieee.org

... sults in a passive **transmission line macromodel**. ... be shown that for M-coupled **lines**; an approximation ... suf- ficiently enough to obtain an accurate **simulation**). ...

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Linear and nonlinear macromodels for power/signal integrity - all 2 versions »

IS Stievano, S Grivet-Talocia, IA Maio, FG ... - Circuits and Systems, 2005. ISCAS 2005. IEEE International ..., 2005 - ieeexplore.ieee.org

... that can be represented as **transmission lines** with sig ... as lumped equivalents combined

with the **line** modal delays ... The considerable **simulation** speed-up and the ...

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